

WHAT IS CLAIMED IS:

1. A transmission controlling apparatus having a changing device for,  
5 when a transmission error occurs during transmission of data,  
changing a transmission mode for said data to such an error-free mode  
as not to cause said transmission error to occur, said apparatus  
comprising:

a nonvolatile storing device for storing said error-free mode;

10 a detecting device for detecting a change in connection mode with a  
destination of said data; and

a control device for transmitting said data in said stored error-free  
mode when said change in connection mode is not detected, and  
resetting said transmission mode to an initial mode to transmit said  
15 data, when said change in connection mode is detected.

2. The transmission controlling apparatus according to claim 1,  
wherein said control device resets said error-free mode to said  
transmission mode which is optimal when said change in connection  
20 mode is detected.

3. The transmission controlling apparatus according to claim 1,  
wherein said detecting device detects said change in connection mode  
when having detected a detachment/attachment as to at least one  
25 connection cable for connection with said destination.

4. The transmission controlling apparatus according to claim 2, wherein said detecting means detects said change in connection mode when having detected a detachment/attachment as to at least one connection cable for connection with said destination.

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5. The transmission controlling apparatus according to claim 3, wherein said detecting device is a mechanical switch for detecting said detachment/attachment as to said at least one connection cable.

10 6. The transmission controller apparatus according to claim 4, wherein said detecting device is a mechanical switch for detecting said detachment/attachment as to said at least one connection cable.

15 7. The transmission controlling apparatus according to claim 1, wherein said detecting device detects said change in connection mode when a specification of data transmitted from said destination is changed.

20 8. The transmission controlling apparatus according to claim 2, wherein said detecting device detects said change in connection mode when a specification of data transmitted from said destination is changed.

25 9. The transmission controlling apparatus according to claim 1, wherein said transmission mode is a transmission speed for

transmitting said data to said destination.

10. The transmission controlling apparatus according to claim 1,  
wherein said error-free mode is said transmission mode in which said  
5 transmission speed is reduced.

11. An information processing unit comprising:

(i) a transmission controlling apparatus having a changing device  
for, when a transmission error occurs during transmission of data,  
10 changing a transmission mode for said data to such an error-free mode  
as not to cause said transmission error to occur, said apparatus  
comprising: a nonvolatile storing device for storing said error-free mode;  
a detecting device for detecting a change in connection mode with a  
destination of said data; and a control device for transmitting said data  
15 in said stored error-free mode when said change in connection mode is  
not detected, and resetting said transmission mode to an initial mode to  
transmit said data, when said change in connection mode is detected;  
and

(ii) processing means for performing a data process using said data  
20 transmitted from said destination.

12. The information processing unit according to claim 11, wherein  
said control device resets said error-free mode to said transmission  
mode which is optimal when said change in connection mode is  
25 detected.

13. The information processing unit according to claim 11, wherein said detecting device detects said change in connection mode when having detected a detachment/attachment as to at least one connection cable for connection with said destination.

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14. The information processing unit according to claim 12, wherein said detecting means detects said change in connection mode when having detected a detachment/attachment as to at least one connection cable for connection with said destination.

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15. The information processing unit according to claim 13, wherein said detecting device is a mechanical switch for detecting said detachment/attachment as to said at least one connection cable.

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16. The information processing unit according to claim 14, wherein said detecting device is a mechanical switch for detecting said detachment/attachment as to said at least one connection cable.

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17. The information processing unit according to claim 11, wherein said detecting device detects said change in connection mode when a specification of data transmitted from said destination is changed.

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18. The information processing unit according to claim 12, wherein said detecting device detects said change in connection mode when a specification of data transmitted from said destination is changed.

19. The information processing unit according to claim 11, wherein said transmission mode is a transmission speed for transmitting said data to said destination.

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20. The information processing unit according to claim 11, wherein said error-free mode is said transmission mode in which said transmission speed is reduced.

10 21. A method of controlling transmission including a process of changing, when a transmission error occurs during transmission of data, a transmission mode for said data to such an error-free mode as not to cause said transmission error to occur, said method comprising the processes of:

15 storing said error-free mode in a nonvolatile storing device;

detecting a change in connection mode with a destination; and

effecting control such that said data is transmitted in said stored error-free mode when said change in connection mode is not detected, and said transmission mode is reset to an initial mode to transmit said  
20 data, when said change in connection mode is detected.

22. A computer-readable data recording medium having a transmission control program recorded therein, such that a control computer, which is included in a transmission controlling apparatus  
25 having changing device for, when a transmission error occurs during

transmission of data, changing a transmission mode for said data to such an error-free mode as not to cause said transmission error to occur, said transmission control program causing the control computer to function as:

- 5        a storage control device for causing nonvolatile storing device to store said error-free mode;

      a detecting device for detecting a change in connection mode with a destination; and

- 10       a control device for transmitting said data in said stored error-free mode when said change in connection mode is not detected, and resetting said transmission mode to an initial mode to transmit said data, when said change in connection mode is detected.